INTERNATIONALSEARCHREPORT

International application No.
PCT/JP2004/008014

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	ASSIFICATION OF SUBJECT MATTER					
IntCl' C08F253/00 .						
According to International Patent Classification (IPC) or to both national classification and IPC						
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T-4-01-		y classification symbols)	•			
C08F251/00-292/00						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2004, Japanese Registered Utility Model Gazette 1994-2004, Japanese Gazette Containing the Utility Model 1996-2004						
Electronic d	ata base consulted during the international search (name	of data base and, where practicable	e, search terms i	ised)		
WPI						
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C. DOCU	MENTS CONSIDERED TO BE RELEVANT		<u> </u>			
Category*	<u> </u>			- 		
Category	Citation of document, with indication, where	appropriate, of the relevant passa	ges Re	elevant to claim No.		
x	JP 2001-288228 A (Techno)	Polymer KK)		1-2		
	2001.10.16, claims 1-3; pa [0011], [0018], [0023] and	ragraphs [0005]	to			
	(Family:none)	1 [[0029]		·		
x	TD 3-255112 3 / 7		_ '			
-	JP 3-255113 A (Japan Atomi Institute) 1991.11.14, cla	.c Energy Researc	h.	1-2		
	(Family:none)	. and I o, Brambie				
X	GB 1505402 A (I.S.R. Holdi 1978.03.30, claims 1-14; F Examples (Family:none)	ng, S.A.R.L.) age 3, lines 4-5	; .	1-2		
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Further documents are listed in the continuation of Box C. See patent family annex.						
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of nectional state of the art which is not priority date and not in conflict with the application but cited to						
"B" earlier application or patent by subband and the principle or theory underlying the invention						
national filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified.						
"O" document referring to an analytical						
means combined with one or more other such documents, such combination being obvious to a person skilled in the art than the priority date claimed combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family						
Date of the actual completion of the international search Date of mailing of the international search report						
23.08.2004 07. 9. 2004						
Name and ma	iling address of the ISA/JP	Authorized officer				
Japan Patent Office		YOSHIHIRO FUJ	I '	4J 8830		
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Telephone No. +Q1_2_2501		000		

INTERNATIONALSEARCHREPORT

International application No.

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This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a). Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet) This International Searching Authority found multiple inventions in this international application, as follows: See extra sheet.	Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)						
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(Box No.III: Observations where unity of invention is lacking)

This International Searching Authority found multiple inventions in this international application, as follows:

Invention 1: A modified natural rubber characterized by graft-polymerizing natural rubber latex with a polar group-containing monomer at a grafting ratio of 0.01-5.0% by mass and then coagulating and drying. (Modified Natural Rubber A) [Claims 1-2]

Invention 2: A method of producing Modified Natural Rubber A. [Claims 3-4]

Invention 3: A rubber composition comprising Modified Natural Rubber A, and carbon black and/or silica. [Claims 5-8] Invention 4: A pneumatic tire characterized by applying a rubber

composition including Modified Natural Rubber A to a tire constituting member. [Claim 9]

Invention 5: A modified natural rubber characterized by adding a tin-containing monomer to natural rubber latex and graft-polymerizing them and then coagulating and drying.

(Modified Natural Rubber A') [Claims 13-15]

Invention 6: A modified natural rubber latex. (Modified Natural Rubber A' in a latex state) [Claims 10-12]

Invention 7: A method of producing Modified Natural Rubber A' in a latex state. [Claims 16-18]

Invention 8: A method of producing Modified Natural Rubber A'. [Claims 19-21]

Invention 9: A rubber composition comprising Modified Natural Rubber A' and carbon black. [Claim 22]

Invention 10: A modified natural rubber characterized by adding an alkoxysilyl group-containing monomer to natural rubber latex and graft-polymerizing them and then coagulating and drying. (Modified Natural Rubber A") [Claims 25-26]

Invention 11: A modified natural rubber latex. (Modified Natural Rubber A" in a latex state) [Claims 23-24]

Invention 12: A method of producing Modified Natural Rubber A" in a latex state. [Claims 27-28]

Invention 13: A method of producing Modified Natural Rubber A" [Claims 29-30]

Invention 14: A rubber composition comprising Modified Natural Rubber A" and silica. [Claim 31]

It is considered that the above-mentioned 14 inventions have the common subject matter (Modified Natural Rubber A). The Modified Natural Rubber A, however, is well known to the public as taught by the three documents cited in this international search report. Therefore, this subject matter common to all the inventions is not a special technical feature that defines a contribution over the prior art as defined in PCT Rule 13.2. On the other hand, it does not seem that there is any other inventive link between these inventions.